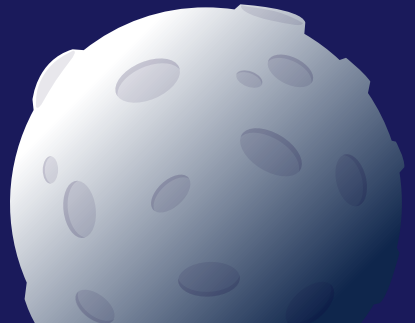
Algoverse



by Logic Legends

Structure

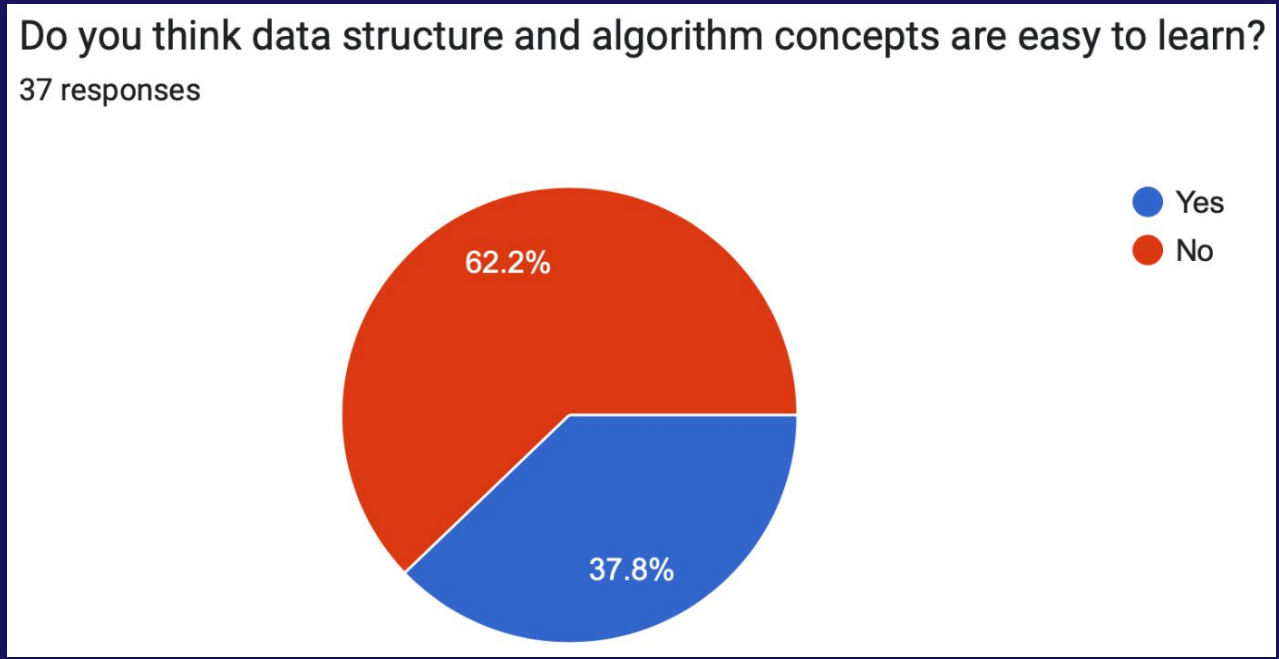
- Problem Statement
- Proposed Solution
- Draft and Tech Stack
- Workmode
- Schedule
- QnA

Algoverse

Problem Statement

- Hard to grasp concepts
- Low test pass rates
- Lack of competitiveness in existing alternatives

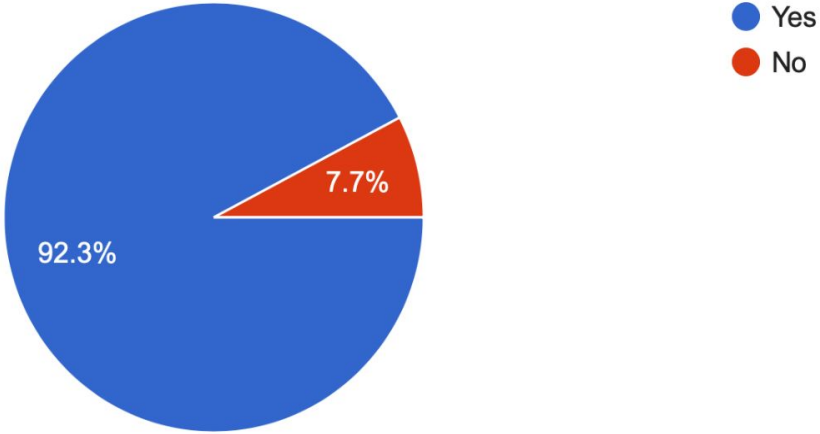
Hard to Grasp Concepts



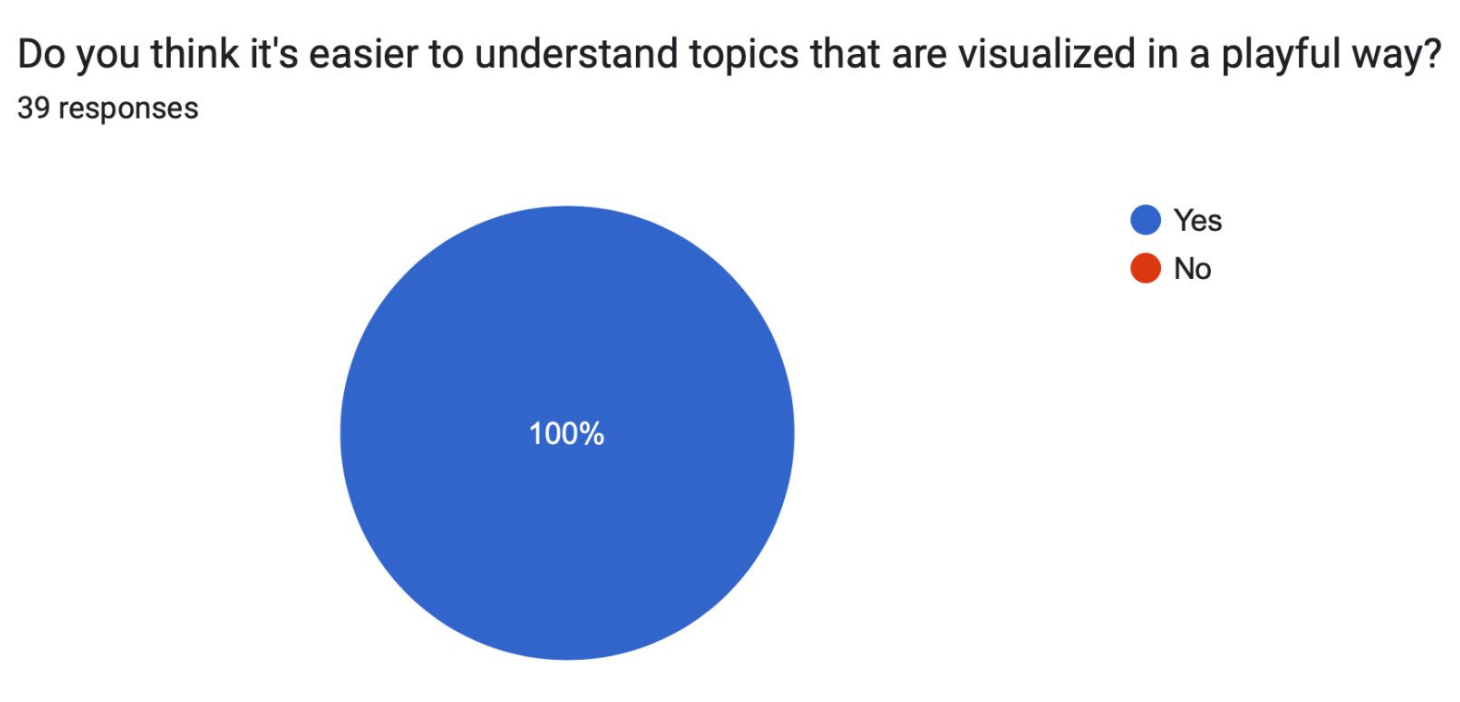
Important Concepts

Do you think it's important to know concepts about data structures and algorithms for your career path?

39 responses



Visualize and Simplify



Existing Alternatives

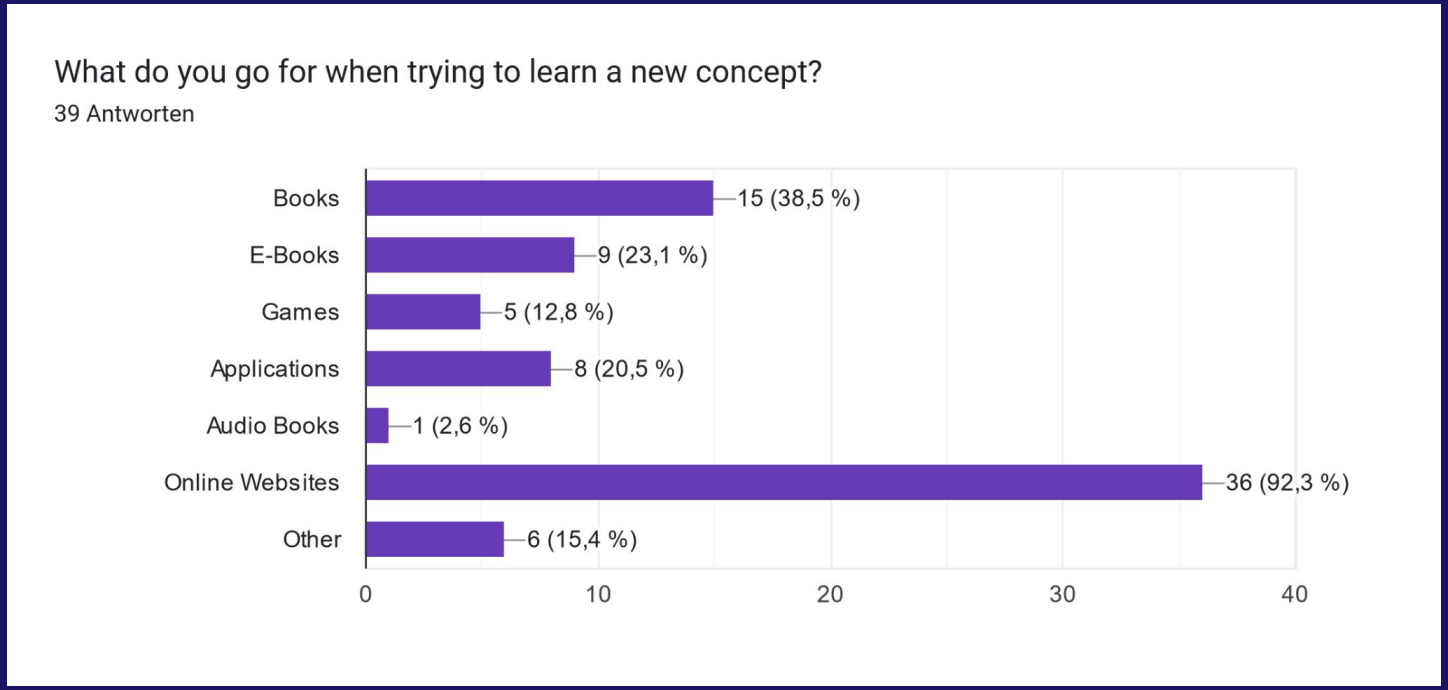
Main issues	Easy solutions
Info is divided in different websites	Provide a website with everything
Lack of usability	Minimalist and easy to use
Poor performance	Functional website

Existing Alternatives

Proposed Solution

New knowledge base
for algorithms

Proposed Solution



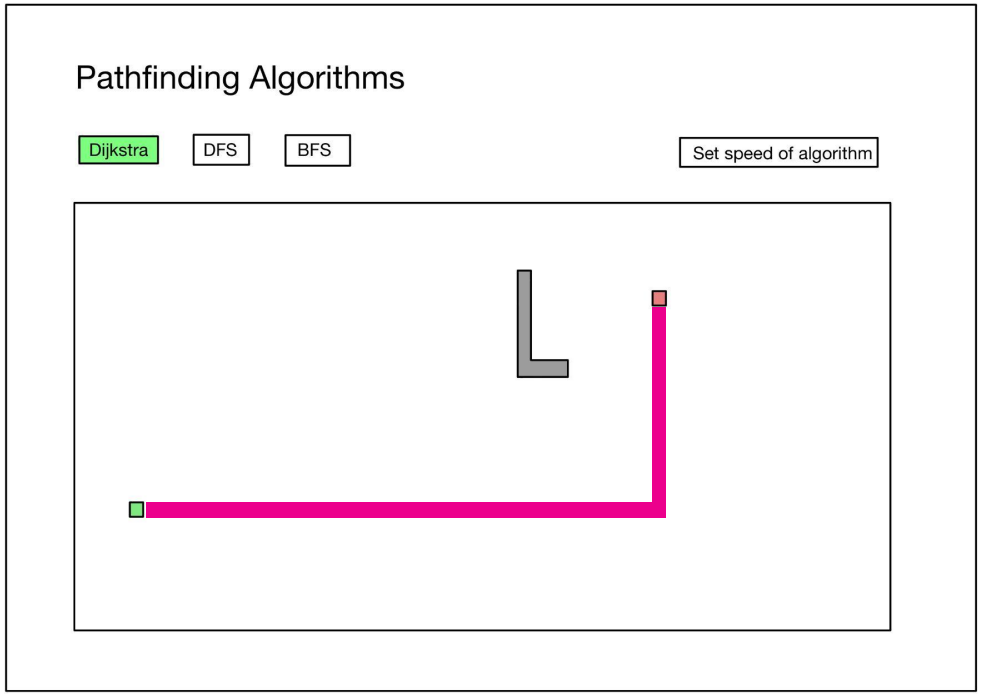
Proposed Solution

- Easy to study
- Great usability
- Educational elements

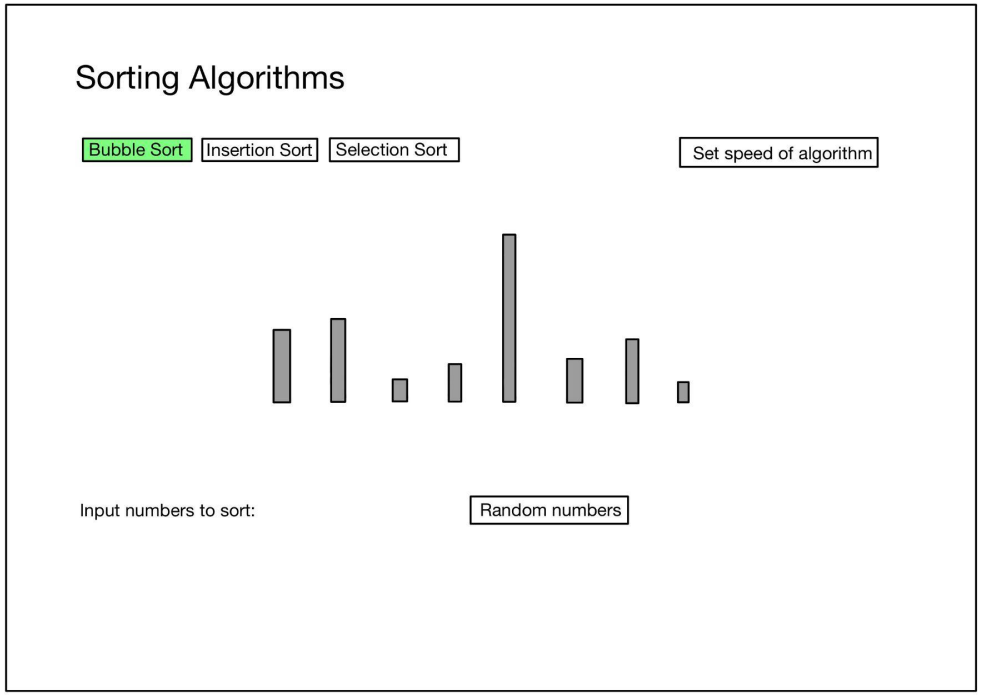
Idea Expansion, further ideas, talking about target audience / Stakeholder

if the difference to competitors is not enough → add new features on top, like quizzes …

Draft

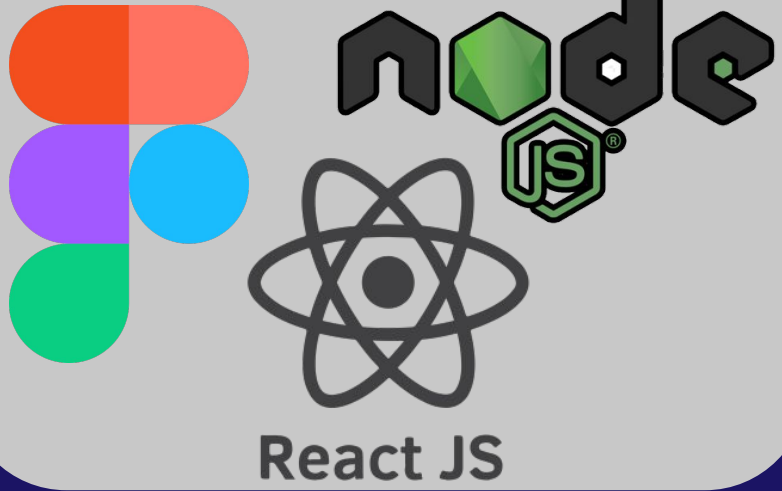

Pathfinding Algorithms
Dijkstra
DFS
BFS
Set speed of algorithm

Draft


Sorting Algorithms
Bubble Sort
Insertion Sort
Selection Sort
Set speed of algorithm
Input numbers to sort:
Random numbers

Tech Stack

Frontend



Backend

Workmode

- Jira for Project management
- Scrum and Kanban
- Weekly Meetings on Sunday

Kanban Board

Role Assignment

Jarod Umland,
Frontend Developer
Projectmanagement

Matt Ruiz,
Frontend Developer
Documentation

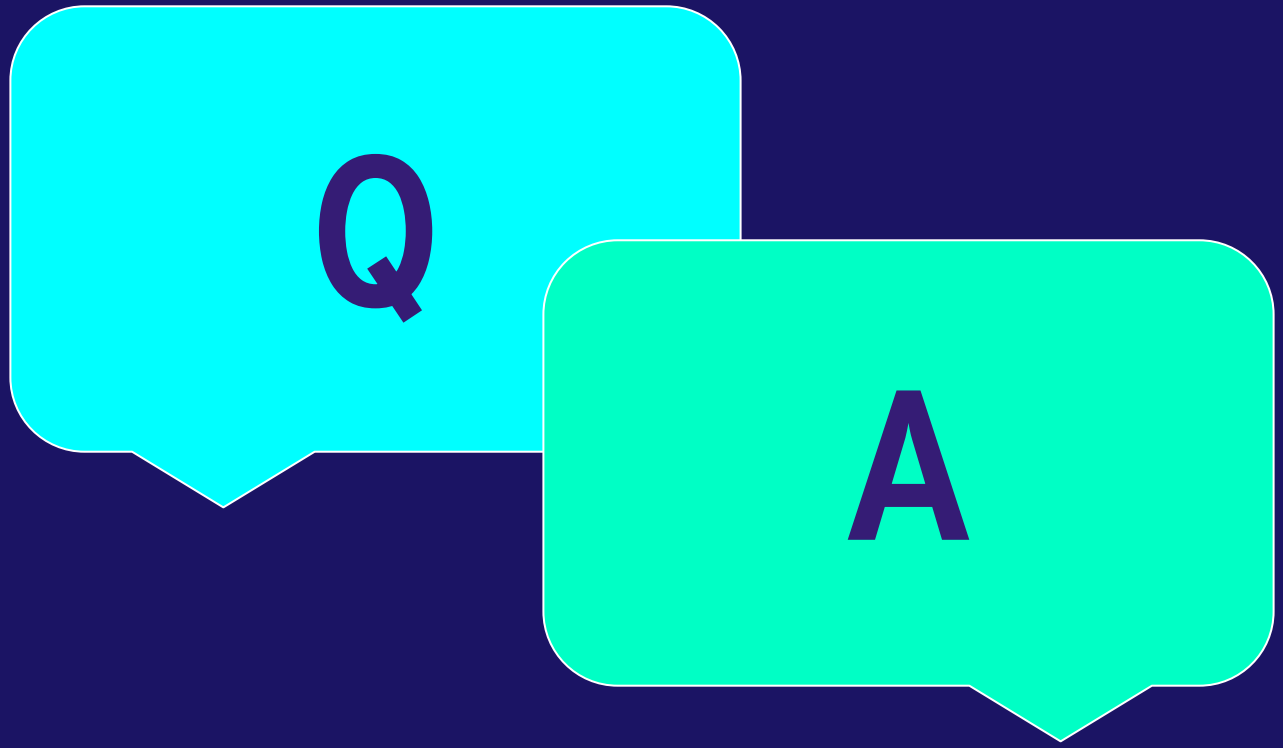
Shin Yun Seong,
Backend Developer
Team Lead

Julius Brehme,
Backend Developer
Documentation

Schedule

Week	4	5	6	7	8	9	10	11	12	13	14	15
Frontend	Design and CI		Website Prototype		Visualizing Algorithms		Scaling			Testing and Bugfixing		
Backend	Implementing CI		Data Structures and API			Algorithm Implementation		Automated Tests				

Thank you for your attention


Q
A